BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Providing and Construction of Culverts at Hanumaiah layout in Ward No. 08, Kodigehalli Sub Division.**

			Estimate Cost:					2000000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in **ordinary soil** for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, **No. 5/ Item No. 2.1/ PWD SR 2013-14**	Cum							
	For Culvert Deck		2	11.00	6.00	0.15	19.80		
							19.80	126.36	**2502.00**
	Basic Rate	117.00							
	Area Weightage @8%	9.36							
	Total	**126.36**							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **Page No. 5 / Item No. 2.4 / PWD SR 2013-14**	Cum							
	Culvert Deck		2	7.00	11.00	2.10	323.40		
							323.40	227.88	**73696.00**
	Basic Rate	211.00							
	Area Weightage @ 8%	16.88							
	Total	**227.88**							
3	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2013-14**	Cum							
	Culvert Deck		2	6.30	8.50	0.15	16.07		
							16.07	4290.84	**68932.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2013-14**	Sqm							
	Side Walls		12	6.00		2.00	144.00		
	Top Slab		2	6.00	8.50		102.00		
	Parapet Wall		8	6.00		1.00	48.00		
							294.00	271.08	**79698.00**
	Basic Rate	251.00							
	Area Weightage @ 8%	20.08							
	Total	**271.08**							
5	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum							
	Footing		2	6.30	8.50	0.30	32.13		
	Side Walls		10	6.00	0.45	2.10	56.70		
	Top Slab		2	6.00	8.50	0.40	40.80		
	Parapet Wall		4	6.00	0.30	1.00	7.20		
							136.83	5639.76	**771688.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
6	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14 TMT bar Fe 500**	Qntl							
	Consider 70 Kg/Cum		0.75	136.83			102.62		
							102.62	7450.92	**764632.00**
	Basic Rate	6899.00							
	Area Weightage 8%	551.92							
	Total	**7450.92**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
7	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**332.90**	72.71	**24204.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X15.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
8	**Sub Total**								**1785352.00**
9	KRIDL Service Charges and Applicable Taxes @ 11%								**196389.00**
10	For Third Party QC Charges @ 1%								**17854.00**
11	Miscellaneous and other Charges	L/S							**405.00**
								Total	**2000000.00**
	(Rs. Twenty Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Assistant Executive Engineer
Byatarayanapura Sub division
KRIDL, BBMP, Bangalore

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs. 20.00 lakhs
Twenty lakhs only
22.75 % Grant
EE(BTP)TS/287/13-14, 03/03/14
Registered as EE No:..... Dated.....Subject to conditions contained enclosed memo.
No:..... Dr.....
Dr
EE (BTP.Div.)

ADMINISTRATIVE ... D FOR Rs.....
Rupees Twenty Lakh's
Under H/A P. 1878 22.75%.
Regist... ( ) No..... 9....9....
Subje... conditions contained in
enclos... EE ( ) No...../9/....
Dt..... Estimate A/C anctioned
... No.....
date Addl Commnr(Yel)/AS-887/13-14 dt 22/2/2014 Rs 20.00 Lakhs

Addl Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92